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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/014,774

DATE: 04/02/2002 8-5
TIME: 14:12:54

Input Set : A:\seqlist.txt.txt
Output Set: N:\CRF3\04022002\J014774.raw

4 <110> APPLICANT: D'Azzo, Alessandra
5 Bongiovanni, Antonella
6 Nastasi, Tommaso
8 <120> TITLE OF INVENTION: Protein Specific for Cardiac and Skeletal Muscle
10 <130> FILE REFERENCE: 2427/1F509-US1
12 <140> CURRENT APPLICATION NUMBER: US 10/014,774
13 <141> CURRENT FILING DATE: 2001-10-29
15 <150> PRIOR APPLICATION NUMBER: PCT/US00/11900
16 <151> PRIOR FILING DATE: 2000-04-28
18 <150> PRIOR APPLICATION NUMBER: US 60/131,814
19 <151> PRIOR FILING DATE: 1999-04-29
21 <160> NUMBER OF SEQ ID NOS: 24
23 <170> SOFTWARE: FastSEQ for Windows Version 3.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 1036
27 <212> TYPE: DNA
28 <213> ORGANISM: Mus musculus
30 <400> SEQUENCE: 1
31 ccctgttgca cggcttggag atggctgctc cctccgaaca cgtaggactg ggtgccccac 60
32 ggagccctgc ggcgcaggag cccctccca cccgcttcca ccaagtgcac ggagccaaaca 120
33 tccgcatggc cccctcagga acgcgagcca cacgcgttggc gagtttgcac cacgtgtgt 180
34 gcttcagtcg tgagccccctg gccccccggcc aggtatttct agtggaaatt gagaaaaaaag 240
35 agctgggctg gtgcgggacac ctacgtcttgc gcctgaccgc tctggatccc gccagtctgg 300
36 ccgcgttacc cgagtttca ctgcctgact tggcagccct tggccacagt tgggtcttcg 360
37 ctatcacacg ccaccacaac cgtgtcccc gggaaaggta accagaacgc gaggcagcgg 420
38 tccccagttgg tcccccaagcc ctactggttt aaccctatct ggcacatcgag cagtccgaa 480
39 ttccccggga ccgtctggc ggcgcagcc ggccagggtt ttatagccac ctcttagatc 540
40 agctctatga acaaaacgtg ctgccttca cagcgcgcgc aagccgctt ggtttctct 600
41 tctgcccccc tgaggatggg accgcgcaca tgcacatcat catcaacggg gaggacatgg 660
42 gcccctagcgc ccgggggctg ccagctgctc agccctcta cgctgtggta gatgtgtttt 720
43 cttccaccaa gagcgtgcgt ctggccacgc tggagtatgg cttgccatct ctgcagactc 780
44 tgtgcccact agtgcattccag aagagggtgg tacacaggct ggccattgtat gtgcctccacc 840
45 tgcccaaagg actgaaggac ttctgcattt acgaatgaac gaatgaacgc ctgtctgtgg 900
46 ccaccagagc aaagtccccg gtggcgcgc ctgcctctag agaagtggct agtctgaagc 960
47 tggcgcaca gctcacaatc agggctggaa ataaatagag ccgatgtggta tgggtctt 1020
48 aaaaaaaaaaaaaaa 1036
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 285
52 <212> TYPE: PRT
53 <213> ORGANISM: Mus musculus
55 <400> SEQUENCE: 2
56 Met Ala Ala Pro Ser Glu His Val Gly Leu Gly Ala Pro Arg Ser Pro
57 1 5 10 15

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58 Ala Arg Pro Glu Pro Pro Pro Thr Arg Phe His Gln Val His Gly Ala
59 20 25 30
60 Asn Ile Arg Met Asp Pro Ser Gly Thr Arg Ala Thr Arg Val Glu Ser
61 35 40 45
62 Phe Ala His Gly Val Cys Phe Ser Arg Glu Pro Leu Ala Pro Gly Gln
63 50 55 60
64 Val Phe Leu Val Glu Ile Glu Glu Lys Glu Leu Gly Trp Cys Gly His
65 65 70 75 80
66 Leu Arg Leu Gly Leu Thr Ala Leu Asp Pro Ala Ser Leu Ala Ala Val
67 85 90 95
68 Pro Glu Phe Ser Leu Pro Asp Leu Val Ser Leu Gly His Ser Trp Val
69 100 105 110
70 Phe Ala Ile Thr Arg His His Asn Arg Val Pro Arg Glu Gly Gln Pro
71 115 120 125
72 Glu Ala Glu Ala Ala Val Pro Ser Gly Pro Gln Ala Leu Leu Val Glu
73 130 135 140
74 Pro Tyr Leu Arg Ile Glu Gln Phe Arg Ile Pro Arg Asp Arg Leu Val
75 145 150 155 160
76 Gly Arg Ser Arg Pro Gly Leu Tyr Ser His Leu Leu Asp Gln Leu Tyr
77 165 170 175
78 Glu Gln Asn Val Leu Pro Pro Thr Ala Arg Arg Ser Arg Leu Gly Val
79 180 185 190
80 Leu Phe Cys Pro Arg Glu Asp Gly Thr Ala Asp Met His Ile Ile Ile
81 195 200 205
82 Asn Gly Glu Asp Met Gly Pro Ser Ala Arg Gly Leu Pro Ala Ala Gln
83 210 215 220
84 Pro Leu Tyr Ala Val Val Asp Val Phe Ala Ser Thr Lys Ser Val Arg
85 225 230 235 240
86 Leu Val Gln Leu Glu Tyr Gly Leu Pro Ser Leu Gln Thr Leu Cys Arg
87 245 250 255
88 Leu Val Ile Gln Lys Arg Val Val His Arg Leu Ala Ile Asp Val Leu
89 260 265 270
90 His Leu Pro Lys Gly Leu Lys Asp Phe Cys Lys Tyr Glu
91 275 280 285
93 <210> SEQ ID NO: 3
94 <211> LENGTH: 970
95 <212> TYPE: DNA
96 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 3
99 cctgccctat ggccgagaga tggctgtgc ctccgagccc gtggattcgg gtgcactctg 60
100 gggactcgag cgcccccggc cccatccac ccgttccat cgggtgcacg gtccaaacat 120
101 ccgcgtggac ccctctggg cgcgggccc acgcgtggag agcttcgccc acggcgtgtg 180
102 cttcagccgc gagccgctgg ccccgggcca ggtttctcg gtcgagatcg aggagaaaga 240
103 gctgggctgg tgccggacatc tgccgtctcg tctgaccgcg ctggaccggc ccagtctggc 300
104 ccccggttcc gagttttctc tgcccgatct ggtcaacctg gcccacacct gggcttgc 360
105 catcacgcgc caccacaacc gctgtccccg ggagggccgc cggaggcgg aggacgcggc 420
106 ccccaagccga cctccaaaccc tcctcgatgg accatatctg cgcattgagc agtttcgc 480
107 tccccggac cgcctggatgg gccgcagccg gcccaggcgt tacagccatc tctggatcca 540
108 gctctatgag ctgaacgtgc tgccctccgac cgccgcgcgt agccgcctgg gtgtccctt 600

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109 ttgcccgcgc cccgatggca cggccgacat gcacatcatc atcaacggcg aggacatggg 660
 110 cccgagcgcc cggggactgc cagctgcgc gcccctctac ggggtggtgg acgtgtttgc 720
 111 ttccacaaaag agcgtgcgc ttgtccagct cgagtatggc ttgccatccc tgcagactct 780
 112 gtgccgccta gtgataaaaa ggagcatggt gcaccggctg gccattgatg ggctccacct 840
 113 gcccaaagaa cttaaggatt tctgcaagta ttagtgaaga cccacagtgc accagagcac 900
 114 agctgcattcc tggagccca gacctgtggc tggctggtcc gaagttggcc acattgctgc 960
 115 cagccaagac 970
 117 <210> SEQ ID NO: 4
 118 <211> LENGTH: 285
 119 <212> TYPE: PRT
 120 <213> ORGANISM: Homo sapiens
 122 <400> SEQUENCE: 4
 123 Met Ala Ala Ala Ser Glu Pro Val Asp Ser Gly Ala Leu Trp Gly Leu
 124 1 5 10 15
 125 Glu Arg Pro Glu Pro Pro Pro Thr Arg Phe His Arg Val His Gly Ala
 126 20 25 30
 127 Asn Ile Arg Val Asp Pro Ser Gly Thr Arg Ala Thr Arg Val Glu Ser
 128 35 40 45
 129 Phe Ala His Gly Val Cys Phe Ser Arg Glu Pro Leu Ala Pro Gly Gln
 130 50 55 60
 131 Val Phe Leu Val Glu Ile Glu Glu Lys Glu Leu Gly Trp Cys Gly His
 132 65 70 75 80
 133 Leu Arg Leu Gly Leu Thr Ala Leu Asp Pro Ala Ser Leu Ala Pro Val
 134 85 90 95
 135 Pro Glu Phe Ser Leu Pro Asp Leu Val Asn Leu Gly His Thr Trp Val
 136 100 105 110
 137 Phe Ala Ile Thr Arg His His Asn Arg Val Pro Arg Glu Gly Arg Pro
 138 115 120 125
 139 Glu Ala Glu Ala Ala Ala Pro Ser Arg Pro Pro Thr Leu Leu Val Glu
 140 130 135 140
 141 Pro Tyr Leu Arg Ile Glu Gln Phe Arg Ile Pro Arg Asp Arg Leu Val
 142 145 150 155 160
 143 Gly Arg Ser Arg Pro Gly Leu Tyr Ser His Leu Leu Asp Gln Leu Tyr
 144 165 170 175
 145 Glu Leu Asn Val Leu Pro Pro Thr Ala Arg Arg Ser Arg Leu Gly Val
 146 180 185 190
 147 Leu Phe Cys Pro Arg Pro Asp Gly Thr Ala Asp Met His Ile Ile Ile
 148 195 200 205
 149 Asn Gly Glu Asp Met Gly Pro Ser Ala Arg Gly Leu Pro Ala Ala Gln
 150 210 215 220
 151 Pro Leu Tyr Ala Val Val Asp Val Phe Ala Ser Thr Lys Ser Val Arg
 152 225 230 235 240
 153 Leu Val Gln Leu Glu Tyr Gly Leu Pro Ser Leu Gln Thr Leu Cys Arg
 154 245 250 255
 155 Leu Val Ile Gln Arg Ser Met Val His Arg Leu Ala Ile Asp Gly Leu
 156 260 265 270
 157 His Leu Pro Lys Glu Leu Lys Asp Phe Cys Lys Tyr Glu
 158 275 280 285
 160 <210> SEQ ID NO: 5

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161 <211> LENGTH: 91
 162 <212> TYPE: PRT
 163 <213> ORGANISM: Mus musculus
 165 <400> SEQUENCE: 5
 166 Arg Ser Pro Ala Arg Pro Glu Pro Pro Pro Thr Arg Phe His Gln Val
 167 1 5 10 15
 168 His Gly Ala Asn Ile Arg Met Asp Pro Ser Gly Thr Arg Ala Thr Arg
 169 20 25 30
 170 Val Glu Ser Phe Ala His Gly Val Cys Phe Ser Arg Glu Pro Leu Ala
 171 35 40 45
 172 Pro Gly Gln Val Phe Leu Val Glu Ile Glu Glu Lys Glu Leu Gly Trp
 173 50 55 60
 174 Cys Gly His Leu Arg Leu Gly Leu Thr Ala Leu Asp Pro Ala Ser Leu
 175 65 70 75 80
 176 Ala Ala Val Pro Glu Phe Ser Leu Pro Asp Leu
 177 85 90
 179 <210> SEQ ID NO: 6
 180 <211> LENGTH: 94
 181 <212> TYPE: PRT
 182 <213> ORGANISM: Drosophila virilis
 184 <400> SEQUENCE: 6
 185 Arg Ser Pro Ser Ser Cys Pro Asn Asn Leu Pro Pro Leu Gln Phe His
 186 1 5 10 15
 187 Thr Val His Gly Asp Asn Ile Arg Ile Ser Arg Asp Gly Thr Leu Ala
 188 20 25 30
 189 Arg Arg Phe Glu Ser Phe Cys Arg Ala Ile Thr Phe Ser Ala Arg Pro
 190 35 40 45
 191 Val Arg Ile Asn Glu Arg Ile Cys Val Lys Phe Ala Glu Ile Ser Asn
 192 50 55 60
 193 Asn Trp Asn Gly Gly Ile Arg Phe Gly Phe Thr Ser Asn Asp Pro Ala
 194 65 70 75 80
 195 Ser Leu Glu Gly Ala Leu Pro Lys Tyr Ala Cys Pro Asp Leu
 196 85 90
 198 <210> SEQ ID NO: 7
 199 <211> LENGTH: 26
 200 <212> TYPE: PRT
 201 <213> ORGANISM: Mus musculus
 203 <400> SEQUENCE: 7
 204 Leu Tyr Ala Val Val Asp Val Phe Ala Ser Thr Lys Ser Val Arg Leu
 205 1 5 10 15
 206 Val Gln Leu Glu Tyr Gly Leu Pro Ser Leu
 207 20 25
 209 <210> SEQ ID NO: 8
 210 <211> LENGTH: 24
 211 <212> TYPE: PRT
 212 <213> ORGANISM: Drosophila virilis
 214 <400> SEQUENCE: 8
 215 Leu Trp Ala Phe Leu Asp Val Tyr Gly Ser Thr Gln Ser Leu Arg Met
 216 1 5 10 15

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Input Set : A:\seqlist.txt.txt
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217 Phe Arg Gln Gln Leu Pro Asn Met
218 20
220 <210> SEQ ID NO: 9
221 <211> LENGTH: 71
222 <212> TYPE: PRT
223 <213> ORGANISM: Mus musculus
225 <400> SEQUENCE: 9
226 Pro Thr Arg Phe His Gln Val His Gly Ala Asn Ile Arg Met Asp Pro
227 1 5 10 15
228 Ser Gly Thr Arg Ala Thr Arg Val Glu Ser Phe Ala His Gly Val Cys
229 20 25 30
230 Phe Ser Arg Glu Pro Leu Ala Pro Gly Gln Val Phe Leu Val Glu Ile
231 35 40 45
232 Glu Glu Lys Glu Leu Gly Trp Cys Gly His Leu Arg Leu Gly Leu Thr
233 50 55 60
234 Ala Leu Asp Pro Ala Ser Leu
235 65 70
237 <210> SEQ ID NO: 10
238 <211> LENGTH: 71
239 <212> TYPE: PRT
240 <213> ORGANISM: Drosophila virilis
242 <400> SEQUENCE: 10
243 Pro Val Pro Phe His Ile Thr Lys Gly Arg Asn Val Arg Leu Ser His
244 1 5 10 15
245 Asp Arg Phe Val Ala Ser Arg Thr Glu Ser Asp Phe Cys Gln Gly Tyr
246 20 25 30
247 Val Phe Thr Ala Arg Pro Ile Arg Ile Gly Lys Leu Ile Val Gln Val
248 35 40 45
249 Leu Lys Thr Glu Gln Met Tyr Val Gly Ala Leu Ala Leu Gly Leu Thr
250 50 55 60
251 Ser Cys Asn Pro Ala Leu Leu
252 65 70
254 <210> SEQ ID NO: 11
255 <211> LENGTH: 35
256 <212> TYPE: PRT
257 <213> ORGANISM: Mus musculus
259 <400> SEQUENCE: 11
260 Ile Asn Gly Glu Asp Met Gly Pro Ser Ala Arg Gly Leu Pro Ala Ala
261 1 5 10 15
262 Gln Pro Leu Tyr Ala Val Val Asp Val Phe Ala Ser Thr Lys Ser Val
263 20 25 30
264 Arg Leu Val
265 35
267 <210> SEQ ID NO: 12
268 <211> LENGTH: 35
269 <212> TYPE: PRT
270 <213> ORGANISM: Drosophila virilis
272 <400> SEQUENCE: 12
273 Ile Asn Asn Glu Glu Lys Gly Val Ile Leu Ser Gly Ile Asp Thr Arg

→ Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

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L:429 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:24
L:429 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24
L:429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24